

Techmer ES Electrafil[®] DB-1200/SS/4 ABS, 4% Stainless Steel Fiber Reinforced (dry blend)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

Material Notes:

Superior cost-performance when compared with other electrically conductive resins is a hallmark of Electrafil stainless steel fiber reinforced ABS. Electrafil compounds can be formulated to meet UL 94 V-0 requirements, and they provide good dimensional stability, exceptional colorability and appearance. Specify Electrafil stainless steel fiber reinforced ABS for protection from electrostatic discharge (ESD) in applications such as paper path parts for business machines, and for electromagnetic/radio frequency interference (EMI/RFI) shielding in business machine covers and hand-held electronic devices.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-DB-1200SS4-ABS-4-Stainless-Steel-Fiber-Reinforced-dry-blend.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.10 g/cc | 0.0397 lb/in ³ | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------------------------------|--------------------------------------|-----------|
| Tensile Strength, Ultimate | 41.4 MPa | 6000 psi | ASTM D638 |
| Flexural Yield Strength | 68.9 MPa | 10000 psi | ASTM D790 |
| Flexural Modulus | 2.41 GPa | 350 ksi | ASTM D790 |
| Izod Impact, Notched | 0.641 J/cm @Thickness 3.17 mm | 1.20 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|----------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 87.8 Å°C | 190 Å°F | ASTM D648 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|-----------|
| Surface Resistance | 10 - 100 ohm | 10 - 100 ohm | ASTM D257 |

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